1. Ariana

Program Name: Ariana.java   **Input File: ariana.dat**

Ariana is an avid Harry Potter fan and recently read about the Black Punishment Quill that Dolores Umbridge invented and inflicted on Harry several times while she served as the Hogwarts High Inquisitor in the book, **Order of the Phoenix**. According to the *Harry Potter Lexicon*, the quill is "**A long, thin black quill with an unusually sharp point, this quill does not use ink. Instead, when used to write, it magically slices into the back of the hand holding it and draws blood in place of ink. The cuts at first heal immediately, but over a long session the damage will be repaired more and more slowly, until the hand is finally left raw and bleeding.**"

The sentence she always instructed Harry to write, over and over again, until his hand was bleeding and eventually scarred permanently, was, "*I must not tell lies.*"

In one gruesome scene of the story which eventually was cut from the book, Professor Umbridge was particularly angry with Harry, and insisted that he not only write the sentence multiple times, but also number each sentence in sequence, and then uppercase the words in sequence, lowercasing the rest. She figured this would affect more skin and cause more pain and suffering on Harry's part, much to her morbid delight.

Write a program that outputs this sentence **40 times**, numbering each sentence, but also uppercases each word in the sentence, one at a time, in forward sequence, and then in reverse sequence once the final word of the sentence is reached, over and over again, like this:

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1  I must not tell lies.
2  i MUST not tell lies.
3  i must NOT tell lies.
4  i must not TELL lies.
5  i must not tell LIES.
6  i must not TELL lies.
7  i must NOT tell lies.
8  i MUST not tell lies.
9  I must not tell lies.
10 i MUST not tell lies.
11 i must NOT tell lies.
12 i must not TELL lies.
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… and so on

Input: None.

Output: The list of forty sentences as described and partially shown above, using the pattern indicated. All sentences must be numbered, and then **aligned exactly as shown**.